

C O N V A I R
A Division of General Dynamics Corporation
(San Diego)

DESIGN INFORMATION BULLETIN

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CONVAIR REPORT NO. ZM-22-005

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MODEL 22 AIRPLANE

ELECTRICAL BONDING

DATE: 11-20-56

*REV. i 3-25-58

Ref: (a) Convair Wiring Specification 0-09001

Due to equipment installation requirements as defined by D.I.B. No. 29.002 "Equipment Mounting," and D.I.B. No. 6.001 "Employment of Anti-Vibration and Anti-Shock Mounts for Equipment Installed in Model 22 Airplane," it is recommended that all design groups closely conform to requirements for bonding, as set forth in reference (a) specification.

*Proper bonding is essential to minimize fire hazards, to prevent lightning damage, to insure normal operation of electrical equipment, and to control radio interference.

*Attention is directed to paragraph 3.16.6 of Detail Specifications ZD-22-002 and ZD-22-003. Each group shall review their respective area of responsibility relative to the initiation of such action as may be required to effect compliance.

The Electrical and Electronics Group has issued "Elect. Data Sheet #12," defining in detail, how bonding is to be accomplished. Copies of the data sheets are available from Electrical Mail Desk located at Col. K-109, Bldg. 51, 3rd floor, Ext. 2426.

*When special provisions are necessary to accomplish electrical bonding, the hardware required shall be shown on the face and in the bill of material of the affected drawings. Special instructions shall also appear on the face of drawings where applicable.

If problems on bonding arise, which are not adequately covered by applicable specifications, they should be discussed with Electrical and/or Electronics Design Group supervision.

Contact Transport Section, Electrical Design Group, Ext. 2426 for problems relative to bonding for ground return, prevention of shock hazard, static charge, etc., (ref. Elect. Data Sheet Items 4.01, .02, .03, .04, .05, .08 and .09).

Contact Transport Section, Electronics Design Group, Ext. 1516 for problems relative to bonding antennas, RF producing equipment and radio interference, (ref. Elect. Data Sheet Items 4.06 and 4.07).

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